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Product datasheet for AP02652PU-S

IKK alpha (CHUK) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Suitable for use in Western blot (1:500-1:1000) and Immunohistochemistry (1:50-1:100).
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized non-phosphopeptide derived from human IKKα around the phosphorylation site of threonine 23 (L-G-T*p*-G-G).
Specificity:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. IKKα antibody detects endogenous levels of total IKKα protein.
Formulation:	PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch
Gene Name:	conserved helix-loop-helix ubiquitous kinase
Database Link:	O15111

View online »

Background: Nuclear factor kappa B (NFkB) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NFkB mediates the expression of a great variety of genes in response to extracellular stimuli including IL1, TNF alpha, and bacterial product LPS. NFkB is associated with IkB proteins in the cell cytoplasm, which inhibit NFkB activity. IKK is a serine protein kinase, and the IKK complex contains alpha and beta subunits (IKK alpha and IKK beta). IKK alpha and IKK beta interact with each other and both are essential for NFkB activation. IKK alpha specifically phosphorylates IkBa. IKKa is expressed in variety of human tissues.

Synonyms: CHUK, TCF16, I kappa-B kinase alpha, IkBKA, IKK-alpha, IKK-A, IkappaB kinase, I-kappa-B kinase 1, NFKBIKA, IKK1

Product images:

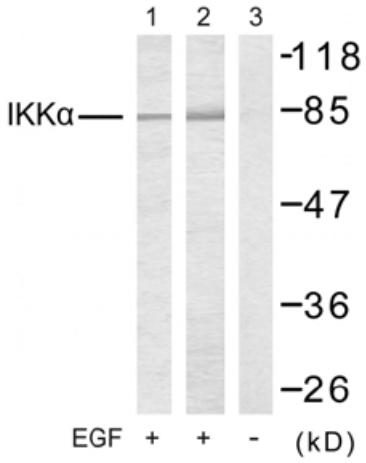

Figure 2. Western blot analysis of extracts from 293 cells (Lane 1) and MDA-MB-435 cells (Lane 2 and 3), untreated or treated with EGF, using IKKa antibody AP02652PU.

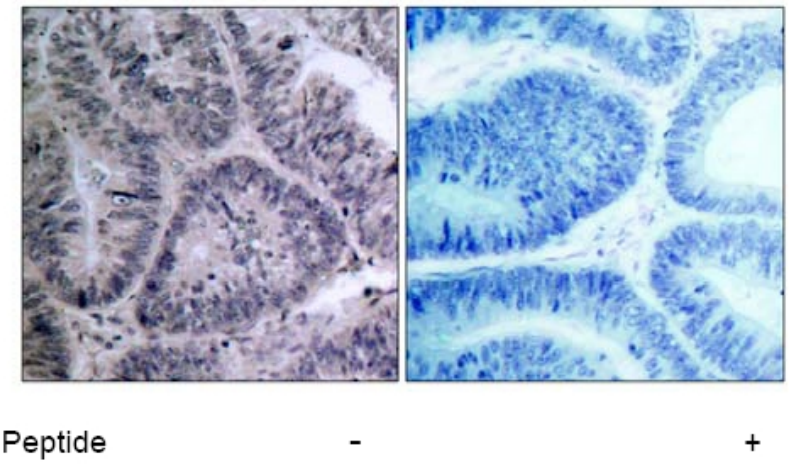

Figure 1. Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue, using IKKa antibody AP02652PU.